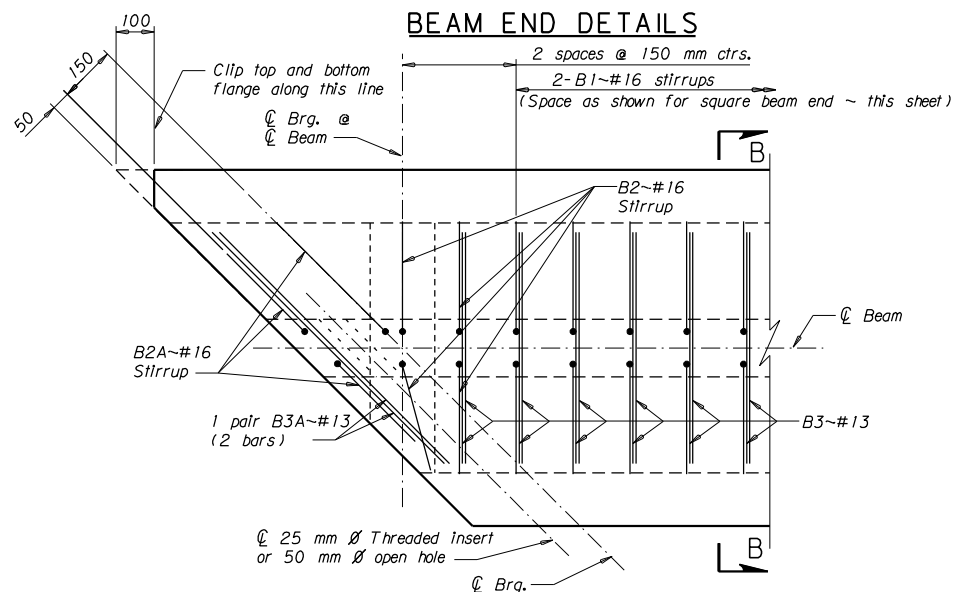


ELEVATION

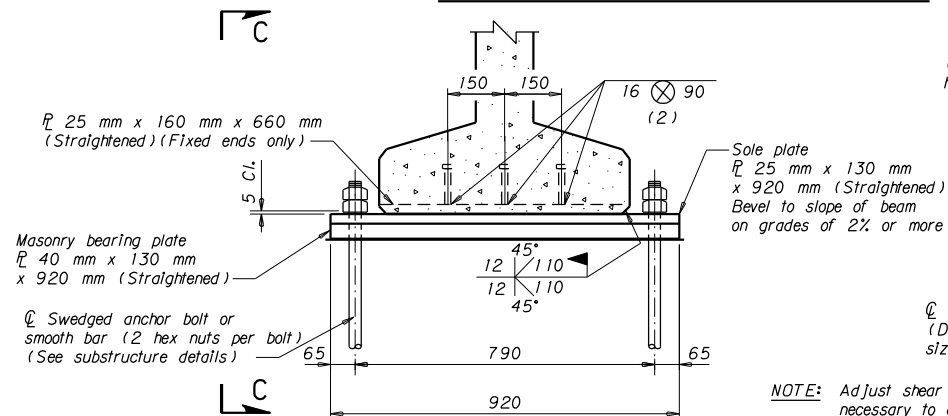
SKewed BRIDGE

SQUARE BRIDGE

BEAM END DETAILS



PLAN VIEW ~ SKEWED BEAM END

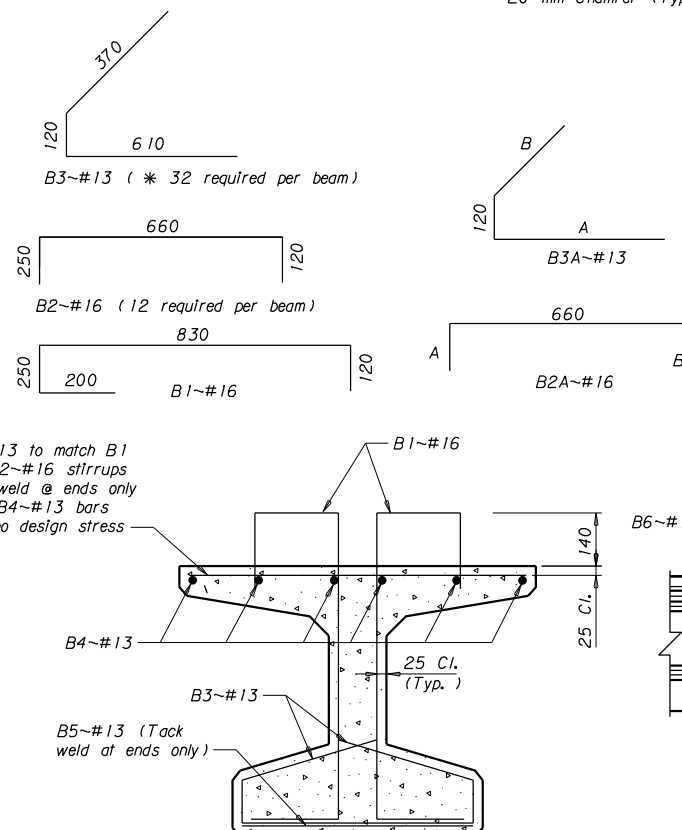


END VIEW

NOTE: Adjust shear stud spacing as necessary to avoid prestressing steel.

FIXED SHOE DETAILS

VIEW C-C



SECTION B-B

NOTE: Number shown is for square beam ends. Number required for skewed beam ends varies.

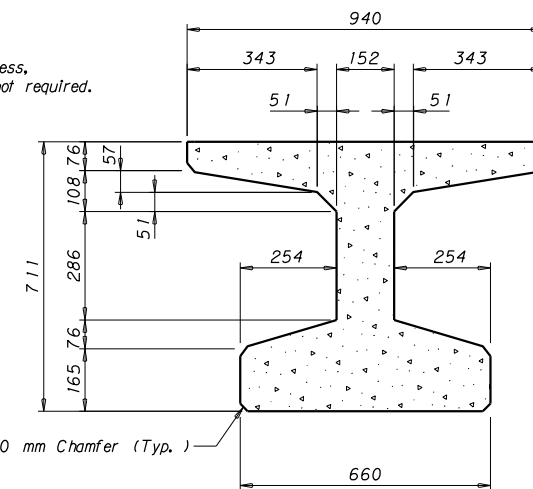
NOTE: The number of B2A~#16 stirrups required per beam varies due to varying skew.

NOTE: Length of A and B varies due to varying skew.

NOTE: Include all costs to furnish and install anchor bolts, nuts, shoes, fiber-reinforced pads and embedded plates in the unit price bid for Prestressed Beams ~ Type MT-28.

NOTE: See substructure details for length and size of anchor bolts.

NOTE: Use structural steel meeting the requirements of AASHTO M 270M Grade 250 for embedded plates and shoes. Use structural steel meeting the requirements of AASHTO M 314M Grade 248 for anchor bolts. Use headed shear studs meeting the requirements of AASHTO M 169 Grades 1010 through 1020. Galvanize anchor bolts in accordance with AASHTO M 232M.

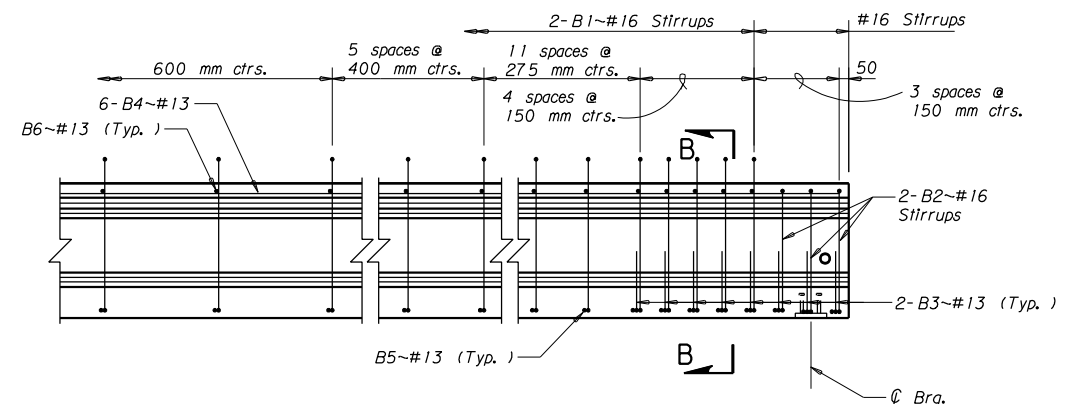


SECTION A-A

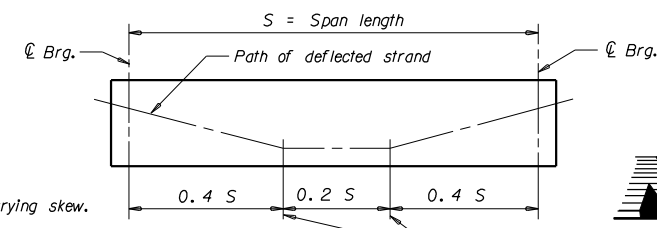
NOTE: Use the following equation to determine the number of B1~#16 stirrups required per beam:
$$N = ((S - 11850)/600 + 41) \times 2$$

If the result of the equation is an odd number, round to the next largest even whole number.

NOTE: Modify standard reinforcing steel to clear 100 mm x 200 mm notch as required.



ELEVATION ~ SQUARE BEAM END



TYPICAL DEFLECTED STRAND FOR PRE-TENSIONING SYSTEM

DESIGNED	7-10-01	J. S. O.
DRAWN	7-16-01	L. M. S.
CHECKED	2-08-02	J. S. O.
APPROVED	2-03-03	J. P. K.
REVISED	1-28-08	D. F. J.
REVISED		